

S.GOMATHI DURGA

Engineering Student specializing in Electronics and Communication

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 Tirunelveli  <https://hdlbits.01xz.net/wiki/Special:VlgStats/E67EBB033C5386F9>

OBJECTIVE

To pursue a career in the field of electronics and communication engineering by being a part of a progressive organization where I can work towards the growth of the organization and harness the best of my career, while continuously upgrading my skills to stay aligned with emerging technologies and industry trends.

EXPERIENCE

2023 - 2024

Online& Offline

Intern

Internships involving software testing and frontend development

- Software Testing Intern at AK InfoPark for 2 weeks (Jun 2024 - July 2024)
- Frontend Development Intern at MainFlow Technologies for 2 months (ONLINE) Jun 2024 - August 2024
- Frontend Development Intern at Future Intern for 1 month (ONLINE) (Sep 2024)

EDUCATION

08/2022 - 05/2026

Tirunelveli

Bachelor of Engineering **CGPA - 9.45**
Francis Xavier Engineering College

06/2016 - 05/2022

Tirunelveli

Higher Secondary Certificate **HSC - 88.16% (May 2022)**
St.Joseph's Girls Hr. Sec School **SSLC - 93.8% (March 2020)**

TRAINING / COURSES

NPTEL course

Optical wireless communication beyond 5G network and IoT, 12 weeks - Elite 73%

NPTEL course

Introduction to Industry 4.0 and Industrial Internet of Things, 12 weeks - Elite 70%

Basic programming courses

Introduction to C, Python, HTML, Internet of Things, UI/UX for beginners

PROJECTS

Various projects

A series of projects showcasing skills in embedded systems and web development

- Developed Waste Segregation system using ARDUINO
- Stock prediction system using LSTM in MATLAB
- Image Reconstruction based on Sub Nyquist sampling
- Implemented certificate generation functionality using MATLAB
- Designed text to voice conversion feature using HTML, CSS, and JavaScript

Journal Publication

IoT-Based MediBed For Golden Aged People

A smart bed for bedridden patients to prevent them from getting bedsores

KEY ACHIEVEMENTS

1st Prize in Technical Quiz

Achieved 1st Prize in Technical Quiz conducted by National level technical symposium

Runner in Badminton

Runner-up in Badminton at Intracollege Events in 2023 and 2025

LEADERSHIP ACTIVITIES

NSS volunteer

I volunteered twice with NSS at a job fair organized by "We Are Your Voice" specifically catering to individuals with disabilities.

SKILLS

Python C CSS Embedded C LT Spice HTML

MATLAB EDA IoT LabVIEW SystemVerilog Tinkercad